

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 2000175400 A

(43) Date of publication of application: 23.06.00

(51) Int. Cl. H02K 5/167

(21) Application number: 10342802

(71) Applicant: NIPPON DENSAN CORP

(22) Date of filing: 02.12.98

(72) Inventor: SUMI SHIGEJI

(54) SPINDLE MOTOR

(57) Abstract

PROBLEM TO BE SOLVED: To provide a spindle motor with improved characteristics in a simple and inexpensive configuration.

SOLUTION: In a spindle motor, a cylindrical part 24 is integrated into a bracket 1 at the peripheral end of a circular hole 23 being formed at a recessed part 22 of a bracket 21, an annular locking piece member 27 is engaged to a shaft 25 that is provided in the cylindrical part 24, both slide bearings 26a and 26b are internally fitted to a cylindrical part 24 so that the pair of slide bearings 26a and 26b consisting of a sintered oilless bearing can be provided while sandwiching the locking piece member 27, and at the same time a shaft 25 is loosely inserted into the loose insertion hole of both the slide bearings 26a and 26b for forming a slide surface. Then, a stator 31 consisting of a core 31a that is externally fitted to the cylindrical part 24 and coil winding 31b is provided in the recessed part 22, a hub member 32 where a hard disk D is placed is fitted to the upper end part of the shaft 25, a rotor yoke 33 is mounted to

the lower surface peripheral part of the hub member 32, and a magnet 34 for driving is fitted to the inside of the rotor yoke 33 and is arranged opposite to the stator 31.

COPYRIGHT: (C)2000,JPO

